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EXAMINER	
WOO, ISAAC M	
ART UNIT	**PAPER NUMBER**
2162	

DATE MAILED: 05/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/977,306	YADA, SHINICHI	
	Examiner	Art Unit	
	Isaac M Woo	2162	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *10 March 2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-31* is/are pending in the application.

4a) Of the above claim(s) *23-27 and 31* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-22 and 28-30* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to Applicant's Amendments, filed on March 10, 2005 have been considered but are deemed moot in view of new ground of rejections below.

2. Claims 1-3, 12-13, 28, 30 are amended. Claims 23-28 and 31 are withdrawn. Claims are 1-32 are pending. Claims 1-22 and 28-30 are presented for examination for this office action.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-22 and 28-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Klein (U.S. Patent No. 6,701,346) in view of David (U.S. Patent No. 6,801,902).

With respect to claim 1, Klein discloses, feature extracting means for extracting a feature (indicate and identified the redundant message for deletion, col. 6, lines 5-39)

based on an instruction from a client (150, recipient computer system), the feature associated with electronic information stored in storing means (159, stored message, fig. 1) connected to a network, (140, network fig.1, recipient computer and server connected by network); deciding means (message manage system, 157, fig. 1) for deciding whether the electronic information is to be deleted (col. 6, lines 5-39, deciding if the message is redundant) based on the feature extracted by the feature extracting means, see (fig. 2D, col. 6, lines 17-39, for example, message M1 is decided as redundant message by message manage system, 157, fig. 1); and deleting means for deleting from the storing means via the network unnecessary electronic information decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features can be extracted from the documents as well. Such extracted contents of the index features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a

documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

With respect to claim 2, Klein discloses, storing means to a network (122, network connection, fig. 1, col. 40-58) for storing electronic information (158, storage device, fig. 1, col. 3, lines 5-24), feature extracting means for extracting a feature (indicate and identified the redundant message for deletion, col. 6, lines 5-39) based on an instruction from a client (150, recipient computer system), the feature associated with electronic information stored in storing means (159, stored message, fig. 1) connected to a network, (140, network fig.1, recipient computer and server connected by network); deciding means (message manage system, 157, fig. 1) for deciding whether the electronic information is to be deleted (col. 6, lines 5-39, deciding if the message is redundant) based on the feature extracted by the feature extracting means, see (fig. 2D,

col. 6, lines 17-39, for example, message M1 is decided as redundant message by message manage system, 157, fig. 1); and deleting means for deleting from the storing means via the network unnecessary electronic information decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features can be extracted from the documents as well. Such extracted contents of the index features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the

document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

With respect to claim 3, Klein discloses, storing means to a network (122, network connection, fig. 1, col. 40-58) for storing electronic information (158, storage device, fig. 1, col. 3, lines 5-24), feature extracting means for extracting a feature (indicate and identified the redundant message for deletion, col. 6, lines 5-39) based on an instruction from a client (150, recipient computer system), the feature associated with electronic information stored in storing means (159, stored message, fig. 1) connected to a network, (140, network fig.1, recipient computer and server connected by network); deciding means (message manage system, 157, fig. 1) for deciding whether the electronic information is to be deleted (col. 6, lines 5-39, deciding if the message is redundant) based on the feature extracted by the feature extracting means, see (fig. 2D, col. 6, lines 17-39, for example, message M1 is decided as redundant message by message manage system, 157, fig. 1); and deleting means for deleting from the storing means via the network unnecessary electronic information decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document

keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features can be extracted from the documents as well. Such extracted contents of the index features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

With respect to claim 4, Klein discloses, whether the electronic information is to be deleted based on a feature comprising a character string, see (col. 1, lines 5-65, electronic message).

With respect to claim 5, Klein discloses, whether the electronic information is to be deleted based on a feature comprising an image, see (col. 1, lines 5-65, electronic message).

With respect to claim 6, Klein discloses, whether the electronic information is to be deleted based on a feature comprising a similar image, see (col. 1, lines 5-65, electronic message that includes images).

With respect to claim 7, Kline discloses, decides that other electronic information related to specific electronic information is also deleted together with the specific electronic information decided to be deleted based on the feature, see (fig. 2D, col. 6, lines 17-39).

With respect to claim 8, Kline discloses, temporarily storing electronic information sent via a network, deletes the unnecessary electronic information stored in the temporarily storing means at a predetermined timing, see (159, fig. 1, stored messages deleted when decided redundant, fig. 1, fig. 2D, col. 6, lines 17-39).

With respect to claim 9, Kline discloses, deletes the unnecessary electronic information from the temporarily storing means after a predetermined period of time has elapsed, see (159, fig. 1, stored messages deleted when decided redundant, fig. 1, fig. 2D, col. 6, lines 17-39).

With respect to claim 10, Kline discloses, instructing a feature associated with the electronic information to be deleted, see (fig. 2D, col. 6, lines 17-39).

With respect to claim 11, Kline discloses, inputting the feature and transferring it to the instructing and operating means, see (fig. 1, col. 3, lines 5-65).

With respect to claim 12, Klein discloses, feature extracting means for extracting a feature (indicate and identified the redundant message for deletion, col. 6, lines 5-39) based on an instruction from a client (150, recipient computer system), the feature associated with electronic information stored in storing means (159, stored message, fig. 1) connected to a network, (140, network fig.1, recipient computer and server connected by network); deciding means (message manage system, 157, fig. 1) for deciding whether the electronic information is to be deleted (col. 6, lines 5-39, deciding if the message is redundant) based on the feature extracted by the feature extracting means, see (fig. 2D, col. 6, lines 17-39, for example, message M1 is decided as redundant message by message manage system, 157, fig. 1); and deleting means for deleting from the storing means via the network unnecessary electronic information

decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features can be extracted from the documents as well. Such extracted contents of the index features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would

provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

With respect to claim 13, Klein discloses, storing predetermined electronic information (158, storage device, fig. 1, col. 3, lines 5-24), feature extracting means for extracting a feature (indicate and identified the redundant message for deletion, col. 6, lines 5-39) based on an instruction from a client (150, recipient computer system), the feature associated with electronic information stored in storing means (159, stored message, fig. 1) connected to a network, (140, network fig.1, recipient computer and server connected by network); deciding means (message manage system, 157, fig. 1) for deciding whether the electronic information is to be deleted (col. 6, lines 5-39, deciding if the message is redundant) based on the feature extracted by the feature extracting means, see (fig. 2D, col. 6, lines 17-39, for example, message M1 is decided as redundant message by message manage system, 157, fig. 1); and deleting means for deleting from the storing means via the network unnecessary electronic information decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features can be extracted from the documents as well. Such extracted contents of the index

features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

With respect to claim 14, Klein discloses, whether the electronic information is to be deleted based on a feature comprising a character string, see (col. 1, lines 5-65, electronic message).

With respect to claim 15, Klein discloses, whether the electronic information is to be deleted based on a feature comprising an image, see (col. 1, lines 5-65, electronic message).

With respect to claim 16, Klein discloses, whether the electronic information is to be deleted based on a feature comprising a similar image, see (col. 1, lines 5-65, electronic message that includes images).

With respect to claim 17, Kline discloses, deciding means decides that other electronic information related to specific electronic information is also deleted together with the specific electronic information decided to be deleted based on the feature, see (fig. 2D, col. 6, lines 17-39).

With respect to claim 18, Kline discloses, temporarily storing electronic information sent via a network, deleting the unnecessary electronic information stored in the temporarily storing means at a predetermined timing, see (159, fig. 1, stored messages deleted when decided redundant, fig. 1, fig. 2D, col. 6, lines 17-39).

With respect to claim 19, Kline discloses, unnecessary temporarily stored electronic information is deleted after a predetermined period of time has elapsed, see (159, fig. 1, stored messages deleted when decided redundant, fig. 1, fig. 2D, col. 6, lines 17-39, col. 1, lines 5-65).

With respect to claim 20, Kline discloses, unnecessary temporarily stored electronic information is deleted based on an instruction from a sender of the electronic information, see (159, fig. 1, stored messages deleted when decided redundant, fig. 1, fig. 2D, col. 6, lines 17-39).

With respect to claim 21, Kline discloses, temporarily stored electronic information is transferred based on an instruction from a sender of the electronic information, see (col. 6, lines 17-39, col. 1, lines 5-65).

With respect to claim 22, Kline discloses, inputting a feature associated with the electronic information to be deleted; and giving a deletion execution instruction to unnecessary electronic information that is to be deleted and extracted from the storing means according to the input feature, see (col. 6, lines 17-39, fig. 1, fig. 2D, stored messages deleted when decided redundant).

With respect to claim 28, Klein discloses, feature extracting means for extracting a feature (indicate and identified the redundant message for deletion, col. 6, lines 5-39) based on an instruction from a client (150, recipient computer system), the feature associated with electronic information stored in storing means (159, stored message, fig. 1) connected to a network, (140, network fig.1, recipient computer and server connected by network); deciding means (message manage system, 157, fig. 1) for

deciding whether the electronic information is to be deleted (col. 6, lines 5-39, deciding if the message is redundant) based on the feature extracted by the feature extracting means, see (fig. 2D, col. 6, lines 17-39, for example, message M1 is decided as redundant message by message manage system, 157, fig. 1); and deleting means for deleting from the storing means via the network unnecessary electronic information decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features can be extracted from the documents as well. Such extracted contents of the index features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify

by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

With respect to claim 29, Kline discloses, storing electronic information sent via a network in temporary storing means; and deleting unnecessary electronic information stored in the temporary storing means at a predetermined timing, see (159, fig. 1, stored messages deleted when decided redundant, fig. 1, fig. 2D, col. 6, lines 17-39).

With respect to claim 30, Klein discloses, accepting a feature associated with the electronic information to be deleted (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted)., accepting a deleting execution instruction for unnecessary electronic information decided to be deleted by the deciding means, see (fig. 2D, col. 6, lines 17-39, redundant message M1 is deleted). Klein does not explicitly disclose, extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. However, David discloses, the automatically generated contents of the extended index features

can be extracted from the documents as well. Such extracted contents of the index features are, for example the name of the author, the title or an abstract of the document, a text of a document present in the facsimile format detected by optical character recognition (OCR), or an invoice number detected by means of bar code recognition. But it is also possible to automatically extracted the entire text from any desired document and to file such text in a data bank with full-text capability. This teaches that the system extracts the entire text that includes at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating extracted feature is at least one of a title of a documents a creation date of the document, a creator of the document, a file name of the documents an application name under which the document is created, a document keyword and a full text of the document. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Klein's system the enhanced extracting data feature method in the data retrieval and management system.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contract Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW
May 20, 2005

JEAN M. CORRIELUS
PRIMARY EXAMINER